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PATENT ABSTRACTS OF JAPAN(21) Application number: **07256270**(51) Intl. Cl.: **B60C 11/00 B60C 11/11**(22) Application date: **03.10.95**

<p>(30) Priority:</p> <p>(43) Date of application publication: 15.04.97</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: BRIDGESTONE CORP</p> <p>(72) Inventor: MATSUMOTO HIROYU WADA ICHIRO</p> <p>(74) Representative:</p>
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**(54) PNEUMATIC TIRE
EXCELLENT IN SELF
CLEANING
PERFORMANCE**

(57) Abstract:

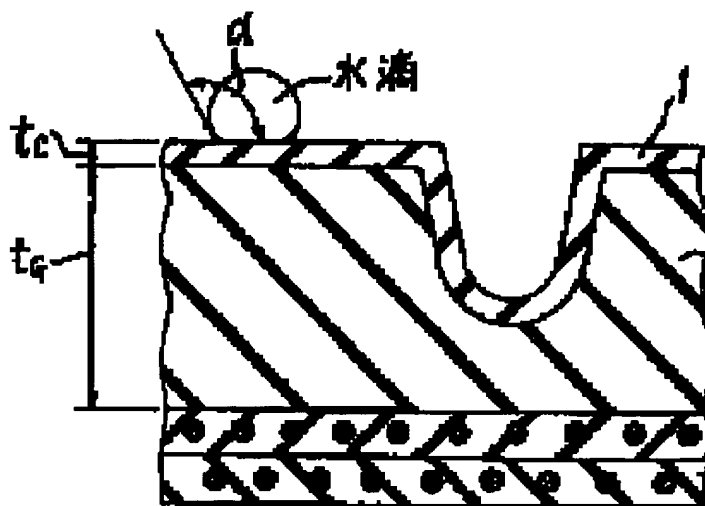
PROBLEM TO BE SOLVED: To improve drainage performance, and enhance a degree of freedom of design of groove arrangement by arranging a surface layer having high self-cleaning performance at least in a part or the whole area of a groove bottom and a groove wall of a groove to partition and form a land part.

SOLUTION: A rubber layer 1 having high self-cleaning performance, an ordinary tread rubber layer 2 and a belt layer 3 are provided. In the rubber layer 1, when its thickness is denoted by (tC) and a thickness of the tread rubber layer 2 is denoted by (tG), it is better to set these in (tC<0.1 tG). With regard to a characteristic of the rubber layer 1, in order to enhance water repellency, when self-cleaning performance is expressed by

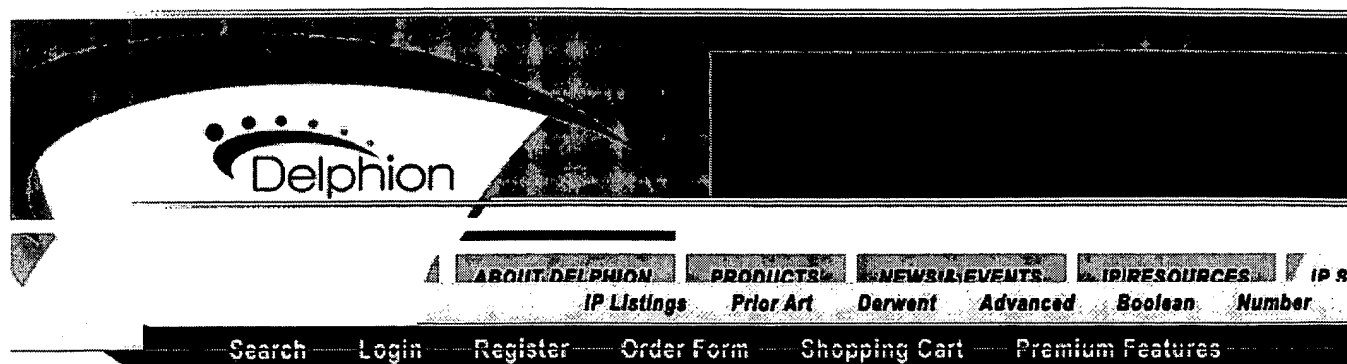
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a contact angled formed with a waterdrop on a surface of the rubber layer 1, it is preferable to set a difference from the tread rubber layer 2 not less than 5 degrees.

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JP9099712A2:PNEUMATIC TIRE EXCELLENT IN SELF CLEANING PERFORMANCE

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Country: **JP Japan**

Kind:

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IPC Class: **B60C 11/00; B60C 11/11;**

Abstract: **Problem to be solved:** To improve drainage performance, and enhance a degree of freedom of design of groove arrangement by arranging a surface layer having high self-cleaning performance at least in a part or the whole area of a groove bottom and a groove wall of a groove to partition and form a land part.
Solution: A rubber layer 1 having high self-cleaning performance, an ordinary tread rubber layer 2 and a belt layer 3 are provided. In the rubber layer 1, when its thickness is denoted by (tC) and a thickness of the tread rubber layer 2 is denoted by (tG), it is better to set these in (tC<0.1 tG). With regard to a characteristic of the rubber layer 1, in order to enhance water repellency, when self-cleaning performance is expressed by a contact angled formed with a waterdrop on a surface of the rubber layer 1, it is preferable to set a difference from the tread rubber layer 2 not less than 5 degrees.
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Family: [Show known family members](#)

Other Abstract Info: **DERABS C97-276241 DERC97-276241**

Foreign References: **No patents reference this one**



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Alternative

